Rounding to 10: answers and notes

What your child practised: finding the multiples of 10 either side of a number, finding halfway, and rounding to the nearest 10 (Year 4 rounding).

Page 1 · Warm up

30, 36, **40** · **80**, 82, **90** · **140**, 145, **150**

Page 2 · Try it together

Numbers 40–44 round to **40**; 45–50 round to **50**. On the new hill, **135** goes on the cup: 130–134 round to 130, 135–140 round to 140.

Page 2 · A. Dots on the hill

32 → **30** · 167 → **170** · 2,455 → **2,460** (2,455 is on the top, so it rounds up)

Page 3 · B. The table

23: 20, 30 → **20** · 68: 60, 70 → **70**
45: 40, 50 → **50** · 91: 90, 100 → **90**
135: 130, 140 → **140**
2,407: 2,400, 2,410 → **2,410**

Page 3 · C. Rounds to 50

Ring **46, 49, 53, 54, 45, 51**. Not 44 (→ 40), 55 (→ 60) or 58 (→ 60).

Page 3 · D. Rounds to 30

Any three of **25, 26, 27 … 34**.

Challenge: No. 65 is halfway, and the rule is that halfway numbers **round up**, so 65 rounds to **70**. Everyone uses the same rule so that we all get the same answer.

Watch out for

- **Rounding 5 down** (45 → 40). Remind them: on the top of the hill, it rolls forwards. 5 rounds up.
- **Going the wrong way** (74 → 80). Some children always go to the next ten. Ask "Is 74 nearer 70 or 80?" and count the steps: 4 back, 6 on.
- **Losing the hundreds** (135 → 40). Bigger numbers keep their other digits: 135 is between 130 and 140.
- **Crossing a hundred**: 91 is between 90 and 100, and 96 would round to 100.

Going further (5 minutes, no paper)

- **House numbers:** on a walk, round each door number to the nearest 10.
- **About how much?** Round prices like 47p or 82p to the nearest 10p.
- **In the game:** Chapter 2, The Decider, shows a quick way to round without drawing a hill: the deciding digit.